FIG 1

27

CPU — 20

CPU interface bus — 35

CPU Interface Logic

Memory Interface bus — 36

Main Memory — 28

Main Memory — 30

26

System Expansion bus — 31

System Bus Interface Controller — 33

ISA PCI or other

Peripheral Expansion bus

Peripheral Connector — 25

Peripheral Connector — 25

Peripheral Connector — 25

LPC bus — 39

Non-Volatile System BIOS Memory — 24

Jumper — 41

Header — 40

50

Firmware
Hub
module

51 Power

53 Power

39

LPC bus

Connector

52

FIG. 2

FIG. 3

Couple firmware
hud recovery module ~100
to motherboard

Move jumper
to enable
to firmware hub ~200
recovery module

Power-on Computer
System ~300

Reprogram firmware
hub ~400

Power off computer
system and move jumper ~500